CLAIMS

The listing of claims below replaces all prior versions and listings.

1. (Currently amended) A system for testing subscriber lines, comprising a broadband line testing control module in a Digital Subscriber Line Access Multiplexer (DSLAM), and a remote terminal subscriber access control module located at a subscriber line between ~~the broadband line testing control module and a remote terminal unit~~ a splitter in a user end and the DSLAM, wherein

said broadband line testing control module is configured to send a signal of disconnecting the subscriber line between the broadband line testing control module and the splitter to the remote terminal subscriber access control module through a terminal managing channel of ~~a Digital Subscriber Line Access Multiplexer (~~ the DSLAM[[)]], and test the subscriber line by a one-end test;

said remote terminal subscriber access control module is configured to receive said signal from the broadband line testing control module, and control the splitter and the remote terminal unit to disconnect from the subscriber line based on said signal.

2. (Currently amended) The system of claim 1, wherein said broadband line testing control module comprises:

a broadband line testing module, configured to send the signal of disconnecting the subscriber line, implement the performance testing for the subscriber line and obtain a testing result after the splitter and the remote terminal unit is disconnected from the subscriber line; and

a remote terminal subscriber control module, configured to receive the signal of

disconnecting the subscriber line from the broadband line testing module and forward the signal

of disconnecting the subscriber line to the remote terminal subscriber access control module

through the terminal managing channel of the DSLAM.

3. (Currently amended) The system of claim 1, wherein said remote terminal subscriber

access control module comprises:

a switch control module, configured to receive the signal from the broadband line testing

control module through the terminal management channel of the DSLAM, and generate a control

signal and transmit said control signal; and

a remote terminal subscriber control switch, configured to receive said control signal from

the switch control module and disconnect the splitter and the remote terminal unit from the

subscriber line based on said control signal.

4. (Original) The system of claim 3, wherein:

said switch control module comprises a timer circuit, and said timer circuit is triggered

based on the signal sent by the broadband line testing control module, and determines time-out

time based on the testing required time value which is carried in this signal; when overrunning

the defined time-out time, the timer circuit notifies the switch control module to send the remote

terminal subscriber control switch a control signal of setting it at off status;

said remote terminal subscriber control switch controls the remote terminal unit to connect

to the subscriber line after receiving said control signal of setting the remote terminal subscriber

control switch at off status from the switch control module.

5. (Original) The system of claim 1, wherein said remote terminal subscriber access control

module is a relay.

6. (Cancelled)

7. (Currently amended) A method for testing subscriber lines based on the system of claim

1, comprising:

a broadband line testing control module sending a signal of disconnecting subscriber line

between the broadband line testing control module and a splitter in a user end to a remote

terminal subscriber access control module through a terminal managing channel of a Digital

Subscriber Line Access Multiplexer (DSLAM);

the remote terminal subscriber access control module disconnecting the splitter and a remote

terminal unit from the subscriber line after receiving said signal of disconnecting subscriber line;

and

the broadband line testing control module testing the subscriber line.

8. (Original) The method of claim 7, wherein said signal is transmitted through a message

based on G994.1 protocol.

9. (Previously presented) The method of claim 7, further comprising:

the broadband line testing control module sending a handshake message to the remote

terminal unit, and determining whether said remote terminal unit supports the testing based on

the returned message from the remote terminal unit, if yes, sending the signal of disconnecting

subscriber line to the remote terminal subscriber access control module; otherwise ending this

processing.

10. (Previously presented) The method of claim 7, wherein:

said signal of disconnecting subscriber line carries a testing required time value;

further comprises:

after receiving the signal, the remote terminal subscriber access control module triggering a

timer, and determining a time-out time based on the testing required time value which is carried

in said signal;

when overrunning the time-out time, accessing the remote terminal unit to the subscriber

line.

11. (Previously presented) The method of claim 7, further comprising:

when disconnecting the remote terminal unit from the subscriber line, said remote terminal

subscriber access control module returning a response message to the broadband line testing

control module;

further comprising:

the broadband line testing control module receiving the returned response message from the

remote terminal subscriber access control module, and testing the subscriber line after delaying a

defined time period.

12. (Cancelled)